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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/572,506	03/17/2006	Tae-Hyun Jeon	127333	4267
25944 OLIFF & BERI	7590 05/07/200 RIDGE, PLC	EXAMINER		
P.O. BOX 3208	350	HAN, KWANG S		
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			1795	
			MAIL DATE	DELIVERY MODE
			05/07/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Occurrence	10/572,506	JEON ET AL.			
Office Action Summary	Examiner	Art Unit			
	Kwang Han	1795			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ldress		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	J. nely filed the mailing date of this c D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on					
3) Since this application is in condition for allowan	ice except for formal matters, pro	secution as to the	e merits is		
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.			
Disposition of Claims					
 4) Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 	vn from consideration.				
8) Claim(s) <u>1-18</u> are subject to restriction and/or e	election requirement.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the construction of the construct	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CI	, ,		
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National	Stage		
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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LITHIUM ION SECONDARY BATTERY

Examiner: K. Han SN: 10/572,506 Art Unit: 1795 May 7, 2009

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- Group I, claims 1, 2, 5-9, and 12, drawn to a lithium ion secondary battery with a can being opened at an upper portion.
- Group II, claims 3, 10, 13, 15, and 17, drawn to a lithium ion secondary battery with a can being opened at a lower portion.
- Group III, claims 4, 11, 14, 16, and 18, drawn to a lithium ion secondary battery with a can being opened at an upper portion and having a step formed on one side thereof.
- 2. The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The common special technical feature present in all groups is a battery can having a space defined while being opened, a cap, an electrode assembly, and a flange of the cap is welded at an

outer surface of the cap by means of a micro-arc. This cannot be a special technical feature under PCT Rule 13.2 because the feature is shown in the prior art. Watanabe (JP 58-157050) teaches a sealed battery comprising a battery case, a battery cover, and an electrode assembly inserted into the case. The circumference of the case is welded at an end surface of the battery cover with plasma arc [Abstract], therefore presenting a lack of unity between the groups *a posteriori*.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Contact/Correspondence Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwang Han whose telephone number is (571) 270-5264. The examiner can normally be reached on Monday through Friday 8:00am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dah-Wei Yuan can be reached on (571) 272-1295. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/K. H./ Examiner, Art Unit 1795

/Dah-Wei D. Yuan/ Supervisory Patent Examiner, Art Unit 1795 Application/Control Number: 10/572,506

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